Capacity of Hayden Smelter | Will Develop 100 Claims in Will Be Increased 50 Percent.

Hayden, Ariz, May 15 .- With the additton of a third reverberatory furnace, the capacity of the American Smelting & Refining company's Hayden plant of the Jerome district. will be increased 40 percent this sumnow practically complete.

IN CONCENTRATING PLANT

Ray Ariz, May 12 President Armstrona, of the Ray Hercules Copper Company, is confering with George O. Rendley, regarding the erection of a succentrating plant, with an lating expectly of 1000 tons. Mr. Bradley constructed the concentrating plants of the Chine. Ray Composition Ray Composition of Inspiration, has been engaged as consulting metallurgist.

Ray Hercules is adding rapidly to ore toninge, according to a director, though no estimaton are yet available. The company is putting in frequent drills and the renaits are gratifying. The inst drill revealed 50 feet of 2 percent or 53,750,000. About \$500,000 has been open in developing the A. & A. and much of the equipment is still in splendid consistion. The shall based to be of commercial grade at the proceed of the Copper Chief Shimmats.

Copper Chief Shimmats.

The mill at the Copper Chief to the first the Copper Chief is a gold or a say. For the first 250 feet, the Copper Chief is a gold.

SPRING MEDICINE

the North End of the Jerome District

Jerome, Aris, May 13.- Two more big companies are being organized to develop 100 claims in the north and

About 60 of these claims lie east mer. The execution for the furnace and south of the Arkansas & Arkona and other new machinery which its and North Verde, and are spoken of by installation will make necessary, is the owners as the "South Group."

They are connected with the "Worth

blocks of that property corner.

Thomas Suilliffe, known in the Jerome district as "Scotty," is the original locator of the groups. He and his pariner, Stanridge, are now members of a syndicate which includes K. D. Tally, superintendent of mines for the United Verde, Thomas Taylor, superintendent of the U. V. smelter; I. J. Stanton, master mechanic: Matt Bohn, amistant manter mechanic: Leroy Anderson, counsel; Kent Reese, power house engineer; Fred Ting, foreman pipefitter; O. M. Wold, inechanical engineer, who recently resigned from the employ of the U. V. after five years sarvice and Will Taylor, son of apperintendent Taylor.

It has been decided to organize two separate companies to develop the groups. The company that will develop the south group is to be known as the Jerome Superior Copper company.

To Develop Brookshire.

rented at from \$10 to \$10 a month, was water and light free.

A 1500-horsepower steam turbine is being added at the Hay Consolidated Copper company's execute generating plant, here. The present capacity of the plant is 10,000 horsepawer. This power is furnished to the smeller, the plant is 10,000 horsepawer. This power is furnished to the smeller, the lay Con. concentrator, mine and pumping plant, and to the Christmas mine, in addition to the fowns of Ray and Hayden.

Important: alterations are being time in the concentrator, which is now handling \$500 tons of ore daily from the Ray Consolidated mine. This one averages 1.75 percent copper and rebust 70 per cent of the value is receivered. Apparatus is being installed to dry the concentrates and to facilitate their handlias.

RAY HERCULES MAY PUT

IN CONCENTRATING PLANT

Ray, Ariz, May 12—President Armstrong, of the Ray Hercules Copper to the consolidated. Thirty days will see the Goodrich-Lockhart people with the A. & A. stockholders, the two groups are to be consolidated. The A. & A. capitalization is to be increased from \$1,000,000 to \$55,750,000. About \$500,000 has been spect in developing the consolidated. The A. & A. capitalization is to be increased from \$1,000,000 to \$55,750,000. About \$500,000 has been spect in developing this about \$500,000 has been spect in developing the consolidated. The A. & A. capitalization is to be increased from \$1,000,000 to \$55,750,000. About \$500,000 has been spect in developing this A. & A. and much of the equipment is still in splendid condition. The shalt passes through a body which is smile to be of compen.

John W. Anderson has ald the General Property of the concentrating plants of the concentration plants of the con

Copper Chief Shinments.

The Copper Chief mine is now abipping 30 tons of copper ore daily to the Humboldt smelter. Clarkdate being the Shipping point. The mill at the Copper Chief continues to treas 130 tons of 38 gold ore a day. For the first 150 feet the Copper Chief is a gold mine. Below that the sniphides begin to come is, and they continue down to the 630-foot level, which is the deepest reached. The sniphides carry high values in gold and silver as well as copper.

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ET us know your requirements. It is possible that we can save you some money. It is a certainty that our service cannot be surpassed.

Out of Town Orders Solicited.

The Most Important Feature of 6 P. M. is

Leaves El Paso for the East; and St. Louis people set their watch by its arrival there at 11:15 a. m. second day.

36 Hours To Memphis

Back of Promising Companies in Rich Field.

BY WHILIAM DEWOLF, Frencott, Aria, May 12.—Yavapul county mining properties are being financed with local and outside capital. The pant, middle west, Pacific coast, financially interested in the mines and prospects here are represented on the

ground by mining engineers of recog-

the owners as the "South Group." They are connected with the "North or present mormal capacity of the smelter is 25,000 tons of ore and consentrates a morth, and for a long time been \$505,000 pounds. Since April has been \$

The initial offering of 200,000 shares of Jerome Victor Extension.

The initial offering of 200,000 shares of Jerome Victor Extension company, was placed in New York and Boston and at middle west, great likes, northwest and southwest points on May I last and within a few hours was oversubscribed at \$1 per share, par. The stock is very popular in Prescott. Jerome and elsewhere throughout the southwest and is in demand at an appreciable advance over the subscription price. The fact is mentioned as being indicative of the confidence the people of this section have in the copper are yielding future of the company's holdings.

Personnel of Company.

The officers and directors of the company are: James T. Fisher, bank cashler of Larium, Mich., president Hrainard Avery, lawyer, New York city, vice president J. B. Paton, bank masher of Larium, Mich., secretary: J. P. Petermann, bank president of Calumet, Mich., treasurer.

The company begins its campaign of mining activity with a development fund of 3200,000, with an efficient plant of machinery and under mineral conditions indicative of mining success.

Surer of Tip Tep. Jerome Victor Extension.

tions indicative of mining success.

Future of Tip Top.

The future of the famous old Tip Top mine, one of the silver bonances of a former decade, rests with the Tip Top Consolidated Mining company, a recent incorporation that has the hacking of Prescott and Phoenix capital. The company is capitalized for 1275,000 and has one in sight to a value in excess of \$1,000,000. The officers and directors of the company are well known Arizonamining and business mea. They are if. W. Davis, president and treasurer, A. F. Muter, vice president: F. L. Haworth, secretary.

Distress After Eating

s certainly very annoying. It indicates some weakness of the Stomach and Liver which may be corrected by careful diet and the aid of

HOSTETTER'S Stomach Bitters

RAY TO RIVAL

Outside and Local Capital Ore of Surprising Richness Being Uncovered; Old Renfro Mine Opens.

Ray, Arts., May 13.-Many are the signs that Ray is on the verge of just much a mining boom as Jerome. Ont-man and Aho are experiencing. That Christmas on the cast, and Superior stalled. on the west, is beginning to stiract attention throughout the country.

That there are other big mines in

this belt besides the Christmas, Ray Consolidated and Magma, is not to be doubted. It includes some of the most

consolidated and Magma, is not to be scubted. It includes aome of the most remarkable prespects in the state. Specimens of copper, gold and sliver over which would cause stampedes in some districts have been picked up at december of points on the surface. The Pinal Development company is developing the old Renfre mime, hear Troy. The Troy-Manhatian company has been reorganized and is resuming operations. A 100-ton mill is to be placed on the Sullivan property, which has the biggest known despost; overaid may be considered by the Pinal Development of the Ray Lode. The Haley & Soutrein tead group has been bonded and development is under way on a big scale.

Pinal Development a Feature.

More attention has been attracted by the Pinal Development company than any of the others. It was organized only a few weeks ago and a block of stock was sold in Phoenix and Ray, where it was greatly oversubscribed, for 25 cents a share.

John C. Devine, assistant superitendent of the Ray Consolidated, is president of the Ray Consolidate of the Ray Consolidate and the constant of the Ray Consolidate of the Ray Consolidate and the scale of the Ray Consolidate of the Ray Cons

Troy-Artsona Active.

Troy-Arizona Active.

The Troy-Arizona company ans a force doing preparatory work on its property, which adjoin the Prnal Development group on the west. Its faitler shaft is to be sunk to deptn. The vein on which this shaft has been started extends through both the linal Development and Troy properties.

Less than a mile southeast of Troy is the higgest known deposit of vana-lium ore in the United States. J. L. Sullivan held the property ten years, but it is now in the hands of the C. S. Vanadium Development company, which is unpitalized for \$75,000. This summany is controlled entirely by

SPRING MEDIA

Sorbing alchieses comes in some degree to fivery man, woman and citild in an inclinate, continued the continued to the system that reaches the many cases the system that reaches the continued at the Magma. The continued to the system that reaches the continued at the Magma in the system that reaches the continued at the Magma in the system that the system that reaches the continued at the Magma in the system that the system that reaches the continued at the Magma in the system that the sys

Churn Drills on Ray Hercaics.

Churn Drills on Ray Hercaics.

Four churn drills are operating 24 hour a day on the Ray Hercules astate. Iring just east of Ray, and narily in the town. A shaft in also being put down and it is reported that rich one was struck at 120 feet. Until the burning of the sampling mill at the Hayden smelter, the Ray Hercules was a shipper to that point.

The lead claims of Thomas Haley and William Sourfein, four miles east of Ray, have been bonded to eastern investors represented by Cant. William McDermott, of Tuoson. Develoument is now under way under the direction of superintendent Scott Caborn.

Some of the most unusual, interesting and promising surface showing to be found adjusthers are along Mineral creek, north of Hay. One of these is the Ray Lode, owned by the McKee, investment company. It is only a mile and a half from Rey. Eighteen contiguous claims are included in the Kroup. Cutting across their full length is a 250-foot lime dike. Paralleling this is a quartz-porphy; dike with a heavy fron capping, at least 300 feet wide. Open cuts show one heavily stained with copper and fron and also carrying gold and silver. Samples that are 50 per cent copper can be picked up by the small diungs.

dumpa.

The McKee company is now pre-paring to sink a 360-foot shaft and do at least 500 feet of drifting.

Wilkin's Unique Group. Within's Unique Greats.

Only half a mile from Ray, P. P.
Wilkins has a group of 18 claims covering one of the strangest formations in the district. A blanket of dacite, four or five feet thick and \$0 feet wide, extends down a hillside the full length of three claims. All this dacite carries gold, silver and copper.

Parties controlling very attractive silver

proposition in New Mexico desire to get into

communication with responsible parties in-

Address Silver Mine, Care Herald.

terested in purchase of same.

Willow Creek Coal Mine Near Carrizozo Sold to New York Man.

Santa Pe, N. M., May 13.-On next Monday the new mill on the Carligle mine at Steeple Rock will make its first run. The capacity is \$5 tons deily. An vast mineral belt lying between electric light plant has also been in-M. W. and W. C. Porterfield have put

30 men to work at the south end of Chloride Flat, producing manganese ore. The first shipment next week will

Chloride Flat, producing manganeso ore. The first shipment next week will be 15 cars. Manganese shipments are also being made from Boston Hill.

Buy Willow Creek Mise.

George C. Benedict and associates, of New York City, have purchased the Willow Creek coal mine, six miles south of Carrisozo, the property being sold by J. Ayers and Mrs. Harriet: McIvers. There is a six foot vein of solid coal on the 1600 acres. The New Yorkers are also negotiating for the large from deposits in the Oscuros. 13 miles west of the coal mines.

The shipments of ore from Silver City now average 100 tons a day; from Hanover, 150 tons; Santa Rita, 500 tons; Spaulding, 150 tons; Sonta Rita, 500 tons; Spaulding, 150 tons; Sonta Rita, 500 tons; Copper ores; Victorio, Tres Hermanans and Florida ship lead and zinc ores, Steple Rock, Stein and Granite Gap also ship ores. The Jarillas last year shipped bi.541,382 pounds of cre: Butro mountains, 46,718,842 pounds; Hachita, 15,174,000 pounds.

Ore carrying 43 to 34 percent of lend and several ounces of sliver has been developed on the southern slope of the Bis Halchitz, 100 Sheridan is develop-ing a zinc property in the same section.

much of it tunning as high as 15 per cent in the red metal.

Mexican Leaser Makes Strike.

After Jumes McSherry had held his property, half a mile west of Kelvin, for 28 years, under conditions as discouraging as those which failed to daunt Bob Renfro, a Mexican leaser opened a showing more encouraging than anything he had been able to find.

Ten strong ledges out account to the central strong ledges and anything he had been able to find.

find.

Ten strong ledges out across MrSherry's group of 15 claims. There
is a heavy iron capping and high
grade ore is exposed at a number of
points on the surface. Some Jobo feet
of work, mostly tunneling has been
done, and there are five small dumps
of shipping ore, all of which pans
gold.

Percents W.

of shipping ore, all of which pans gold.

Recently W. T. Crawford, of Ray, took an option on the McSherry property. A Mexican obtained a lease on a portion of the ground and began to slik on a ten-foot quartz-porphyry. leage. The ledge averages four per cent copper, but what attracted the leaser was an inch streak of high-grade.

The streak widened steadity. Now the Mexican is down it foet wide and the ore is a foot wide. It runs it per cent copper and native aliver is aprinkled through it, while free gold can be seen with the aid of a glass.

M'GHEE GROUP TRANSFERRED TO COWBOY MINING COMPANY

TO COWBOY MINING COMPANY
Turson, Ariz. May 13.—J. R. McGee
has transferred his group of claims,
six miles southwest of Twin Buttes, to
the Cowboy Mining and Smelting company, a new corporation. Mr. McGee,
B. F. Daniels, H. E. Farr, A. D. LeBaron and S. E. Brown are the officers
and directors.
The company's property includes 74
claims, 12 of which are in the Cowboy group. A 200 foot tunnel on this
group has opened up a body of sulphide ore, Steps are being taken to
lay a track in this tunnel and tram
the ore to the portal with a car. Coppar, gold, silver, lead sinc and
molybdenum are carried by the Cowboy ores.

molybdenum are carried by the Cow-boy orea.

A carload of molybdenum concan-traies weighing 110,000 pounds and valued at \$17,452 was shipped out of Tueson to the east a few days are.

The entire shipment came from the Old Yuma mine, 12 miles west of the city.

Two other carloads of second grade concentrates, valuable chiefly for lend and gold, were shipped to El Paso.

pany, to develop T. J. Quillan's group of 18 claims, 12 miles south of Bowle, is now being perfected. J. A. Stanfield of Flestwood, Oklahoma, Mr. Quillan and T. K. Mitchell are the incorporators. The company is to be capitalized for \$1,000,000.

TELLURIUM ORE RUNNING \$600 CUT IN CLIMAX MINE

Prescott Aris, May IJ-A lone of tellurium ore that runs as high as 1600 a ton in gold has been out in the Climax mire. Hassyampa district. Several mill runs have already been made with gratifying results. Leness of tellurium have been found in the Climax for the last 25 years. No other tune in this part of the state carries that mineral.

LOULD NOT GET RATE CUT; SUSPENDS THE SHIPMENTS

Santa Fe, N. M. May 13. Because F. M. Nelson, of Fierro, Grant county, could not obtain a rate of less than 16 on fluorspar from Lordaburg to Los Angeles over the Southern Pacific, through the state corporation commission, he has ahandoned the plan of marketing the fluorspar on the Pacific coast.

BIG HOIST INSTALLED IN OLD HOMESTEAD MINE

Walker, Ariz. May 13 —A large holst and other machinery are being placed on the Homestead mine, in the heart of the tewn of Walker, which was recently purchased from Mrs. M. A. Milliken by New York investors.

W. L. Comer has resumed the development of his Star group of gold claims. A shaft is down 100 feet on a three foot body of \$15 orc.

CARD CANVASS BEING MADE OF SCHOOL ON GARY PLAN

The card canvars the the pairons of the city achools is being made to gather data in regard to the modified Gary system which has been in effect during the past year.

The cards were sent our by the school officials in order to get an expression of opinion from all of the school patrons ga to the success of the first year of the Gary plan, and those cards will be compiled and the data used in determining the schedule of work for the next year.



He will show

Saver Kit con

road repairs wh

He will test you

will suggest an Is

can add to the mi

from dirt and water.

he will recommend Go

to fill tread cuts and

He sells tire satisfaction to tires; he is not conten fully and finally pleased.

Huts Buried Since the Revolutionary War Are Unearthed in New York New York, May 12.-In the course of

ity-building a large number of buts. built at the time of the Revolutionary war for the purpose of housing American soldiers, were buried sight or ten feet underground. New there is con-

NEW MEXICO MINE SCHOOL
TO GRADUATE THREE THIS YEAR
Socorro, N. M., May 12.—Commencement at the New Mexico School of Mines will occur May 25, when three graduates will receive their diploman. The state mining school has closed the most successful year in its history and the reslection of Frof Fayette A. Jones are president of the institution has insured another year of successful endeavor.

The board of regents met recently and reslected Prof. Jones onanimously and also elected Prof. Jones on the prof. Added to the college course.

APACHE GOLD PASS CO.
TO DZVELOP QUILLAN GROUP
Bowle. Arin. May 12.—Organization of the Apache Gold Pass Mining company, to develop T. J. Guillan's group of 18 claims. 12 miles south of Bowle. Is now being perfected. J. A. Stanfield.

AM. L. D. Stanfield.

L. D. Stanfiel

Much Dancing in Homes of London, Despite War

that is said to the contrary, there is a large amount of dancing in London private houses just now.

Last week a well known hostess gove a formal "small dance" for her two daughters. Many of the guests could see little difference between it and a most ordinary London season dance. The duchees of Portland and the duchees of Rittland have a little quiet dancing for their daughters friends. Queen Mary approves of such things as being good for young men at home on leave.

Woman of 90 Raises Relief Fund of \$8500

Leipzig Germany, May 11.—The local war relief committee reports that Mrs. Johanna Hotterer, about 00 years of age, has collected \$250 for the widows and orghans of soldiers. She starts out at a octoch every morning to milott aid from house as house, and generally were four to five hours daily. The aing of Saxony has decorated her with the gold prodal for merit.

TUNGSTEN STRIKE MADE IN DAVIS MINE ON TULE CREEK

Crown King. Ariz. May 12.—A 24 inch vein of ore that is 30 percent tungstem has been struck at the Davis mine on Tule crock. Several hundred pounds of the ore have already been egtracted. The Davis is shortly to have a 20 ton concentrating mill. Machinery for the plant has already been delivered at Bot Springs Junction.



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> INTERNATIONAL BUSINESS COLLEGE J. P. Mullin, Pres-



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